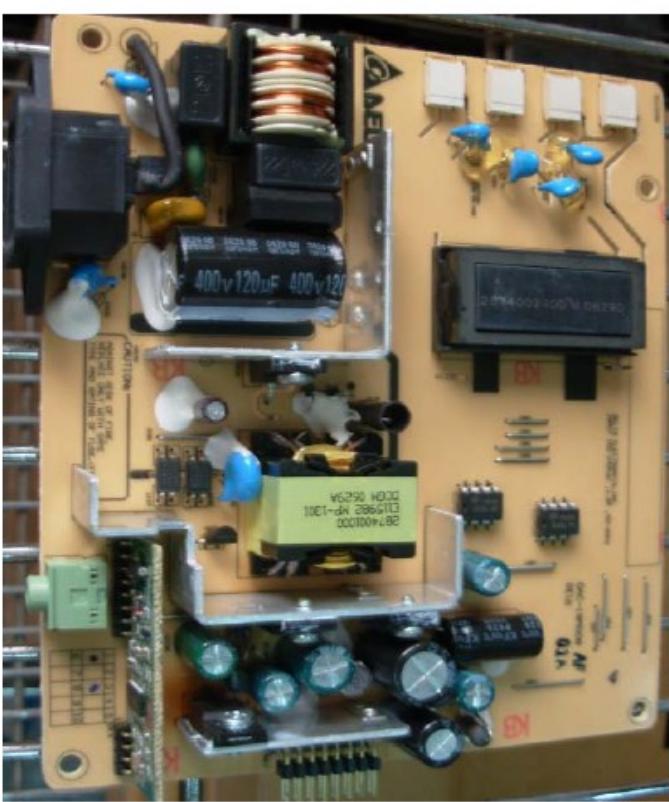




DAC-19M008 AF 01A & DAC-19M008 BF 01A 最主要的差異點在 AF 01A 版本

含有外加 AUDIO BOARD, 而 BF 01A 版本則無其餘細項如下所示:

1. Change history (refer to page 7)
2. Mech. Spec (refer to page 35~39)
3. BOM List (refer to page 64~110)
4. BAR CODE LABEL (refer to page 113~115)
5. Golden sample test report (refer to page 27~34)
6. P/N marking on the PCB



(2)DAC-19M008 BF 01A



註: DAC-19M008 AF 比 BF 相較, 在零件部分增加如下

L100,L103,L104,L108,L300,L301,L304
C105,C106,C302,C308,C306,C307,C315,C317,C303,C304,C305,C311,C316,C301,
C313,C300,J103
D100,ZD300,Q300,U300
CN7,CNA,CNB
R301,R302,R303,R304,R308,R309,R310,R311,R313,R314,R316,R317,R312,R315,
R300,R307,R319,R103,R104=200K(BF R104=0 ohm)
PWB ASSY(5509550069),PWB(2994747200)

8. INVERTER

8-1 General Description.

This DC/AC inverter shall be used for 19W" 4 lamp LCD back light system.

8-2 SCOPE

- Input range (17Vdc - 21Vdc)
- Open lamp protection
- Output short circuit protection
- Current feedback control method
- Burst mode dimming control
- 4 lamp type of 19"

8-3 Electrical Characteristics

(+20V Load Condition : CCFL)

Item	Symbol	Description	Min.	Typ.	Max.	Unit
1	V _{in}	Operate input Voltage	17	19	21	V
2		Inverter On/Off control: OFF	0	--	1	V
3	Enable	Inverter On/Off control: ON	2	--	3.3	V
4	I _{in}	Quiescent current	--	--	0.1	mA
5		Output current control	0.1	--	3.3	(Low) V
6	V _{adj}	V _{adj} : High duty=0%, maximum brightness V _{adj} : High duty=32%, minimum brightness	(High)	--	--	
7	F _b	Burst Mode Frequency	200	260	300	Hz
8	Freq	Operating frequency	46	49	52	KHz
9	I _{out}	Output current, V _{adj} : High duty=0%	6.5	7.0	7.5	mA
10		Output current, V _{adj} : High duty=32%	4.5	5.0	5.5	mA
11		out for dummy load 130K ohm	6.5	7.0	7.5	mA
12	V _{adj}	Output current, V _{adj} : High duty=32% 3KV	4.5	5.0	5.5	mA
13	V _{out}	Lamp voltage	--	780	--	Vrms
14	T _{ign}	Lamp ignition voltage	1710	--	--	Vrms
15	T ₅	Lamp ignite time	1	--	2	Sec.
16	Efficiency	Simulate lamp resistor to calculate the efficiency	80	85	--	%

Remark : (Panel & Dummy Load)

Output Iout if Over Spec Please Delete R233 & R231

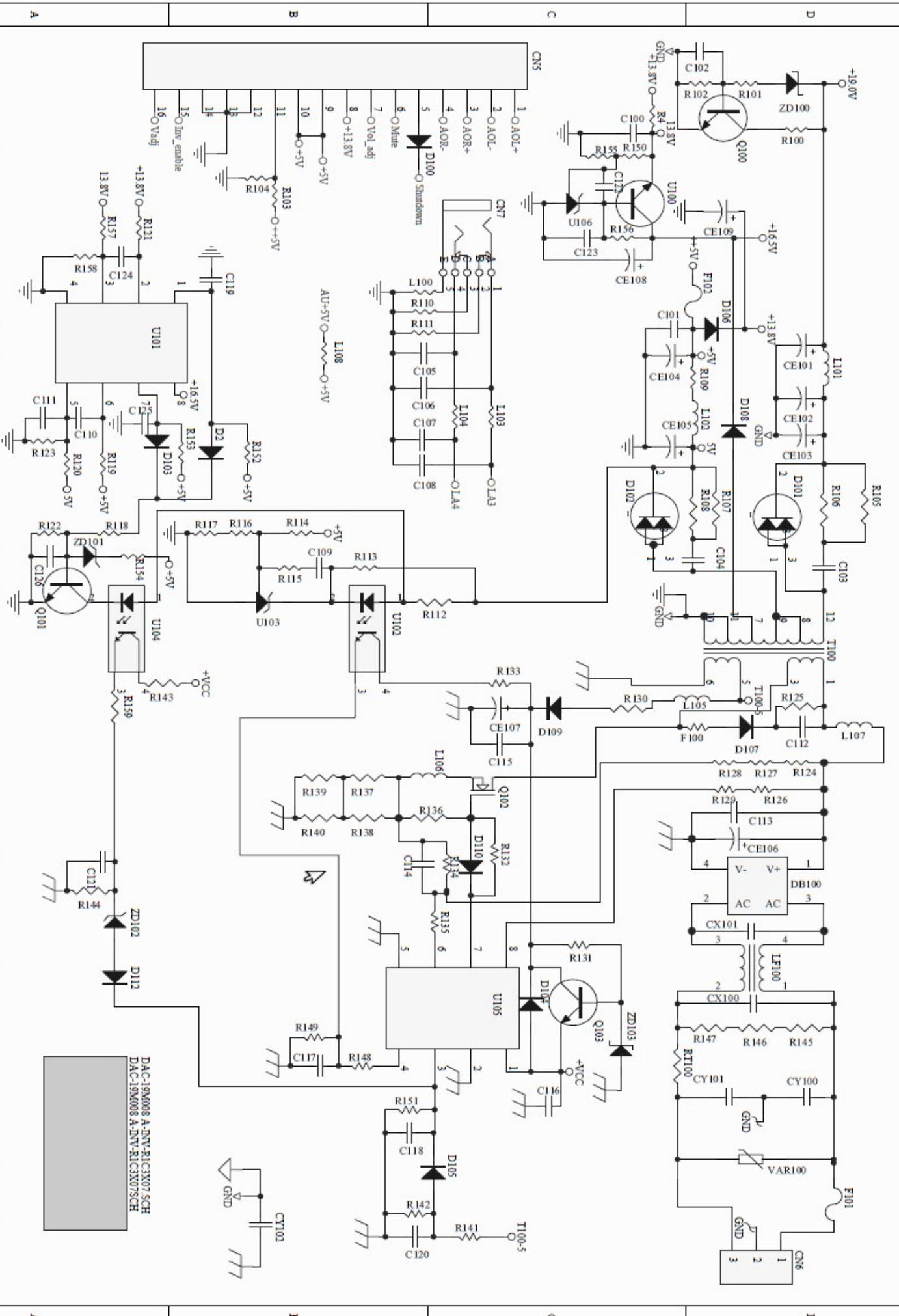
Output Iout if Under Spec Please Short J201 & J202

Output Freq if Over Spec Please Delete R207

Output Freq if Under Spec Please Short J200



DELTADOC CENTER



1

THEORY OF OPERATION
AND TEST PROCEDURE
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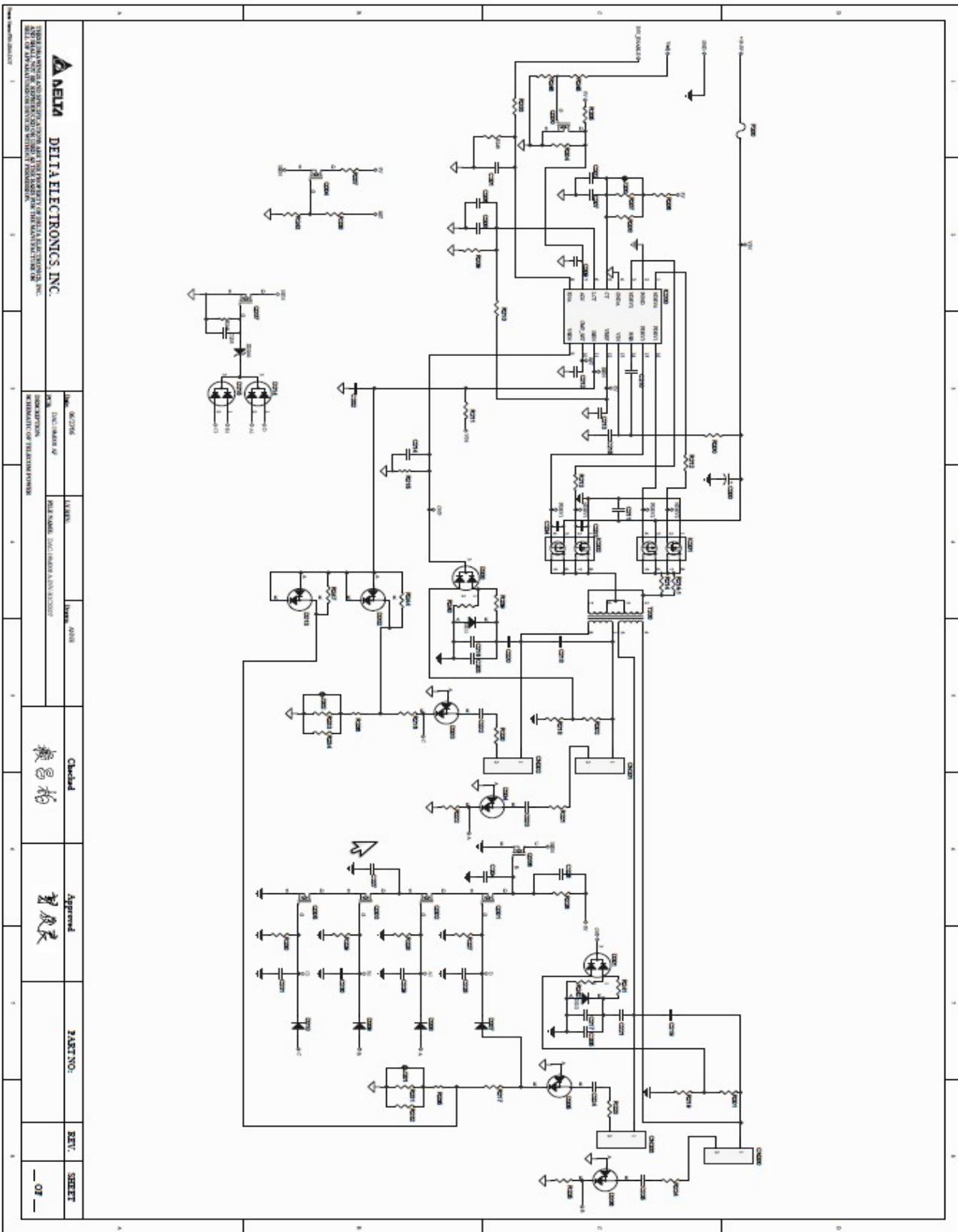
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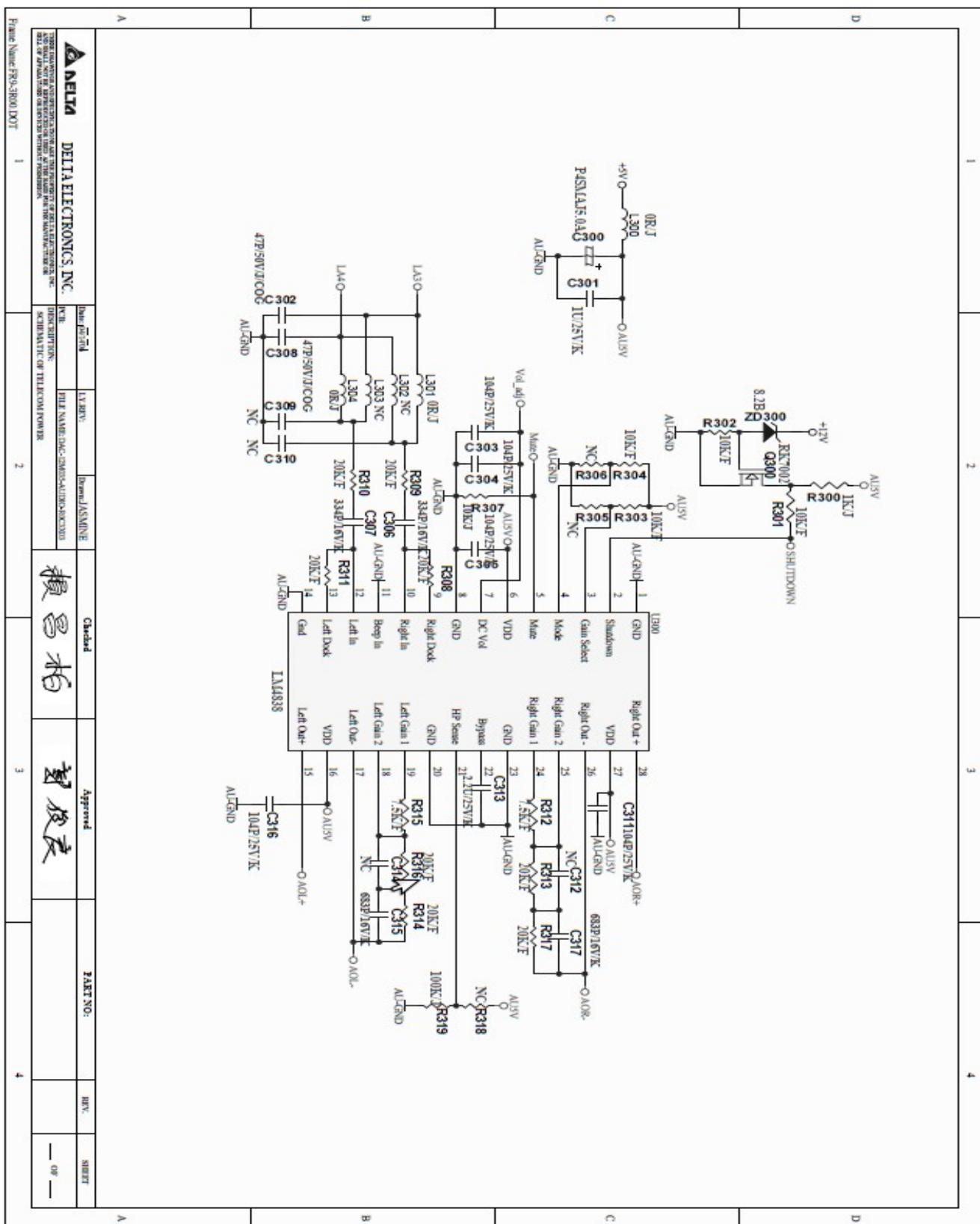
3

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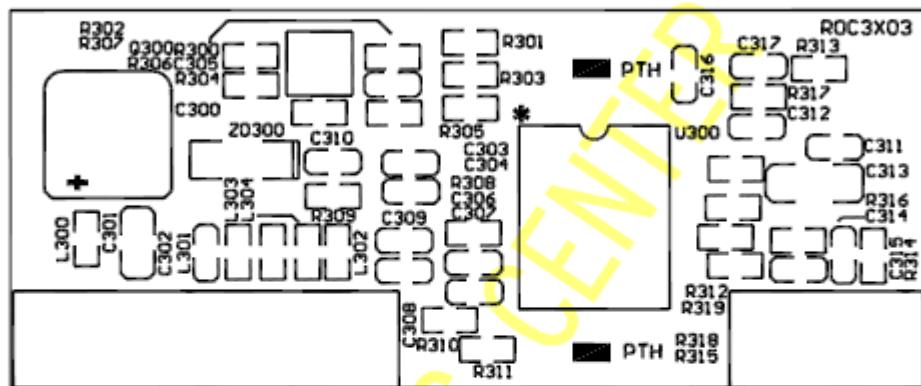
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DRAWING NO: PM-1 REV: 0

USED ON: CODE: 3

MADE BY: JASMINE DATE: 04/14/06

P/N: 2994747200



DELTA ELECTRONICS, INC.

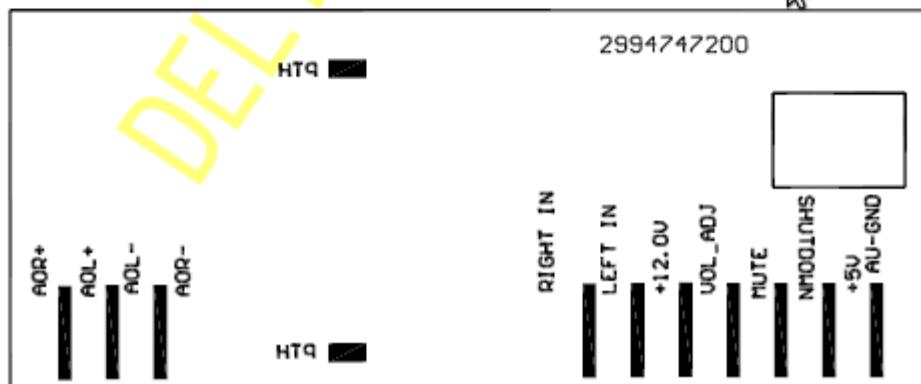
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DRAWING NO: PM-1 REV: 0

USED ON: CODE: 3

MADE BY: JASMINE DATE: 04/14/06

P/N: 2994747200





DELTA P/N:

DAC-19M008 AF REV:01A

SHEET 1 of 24

CONTENT

5. Material List

DATE: 08 / 01 / 06'

NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
1	R125	RES MOF 2W 100KΩ J SMALL FR	1	TY-OHM KAMAYA WALSIN	
2	R100	RES MOF 2W 300Ω J SMALL FR	1	TY-OHM KAMAYA WALSIN	
3	F100	RES FUSIBLE MF 1/2W 100ohm J SMALL	1	TY-OHM KAMAYA WALSIN	
4	R109	RES WIRE 5.1mohm J 0.8mm	1	TY-OHM	↪
6	F101	FUSE T S 3.15A 250V 3.15A 250V	1	CONQUER WICKMANN	MST3.15A 250V UL:E82636 392-3.15A UL:E67006



DELTA P/N:

DAC-19M008 AF REV:01A

SHEET 2 of 24

CONTENT

5. Material List

DATE: 08 / 01 / 06'

NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
7	RT100	RES NTC 5A R=2.5ohm	1	UPPERMOST THINKING	
8	VAR100	VARISTOR 420VAC 45J 2.5KA 420VAC 70J 2.5KA	1	UPPERMOST THINKING	V10K420 UL:E105157 TVR10681KSY UL:E173642
9	CY100,CY101	CERAMIC CHIP CAP. Y1/X1 CD 250VAC 330pF K B P10	2	TDK PAN OVERSEAS	CD UL:E37861 AH# UL:E146544
10	CY102	CERAMIC CHIP CAP. Y1/X1 CD 250VAC 2200pF M E P10	1	TDK PAN OVERSEAS	CD UL:E37861 AH# UL:E146544
11	CY220,CY221	CERAMIC CHIP CAP. 3KV 39pF C SL	2	HEC TDK PAN OVERSEAS	→
12	C218	CERAMIC CHIP CAP. 6KV 5pF D SL VI7.5	1	HEC TDK	
13	C219	CERAMIC CHIP CAP. 6KV 8pF D SL VI7.5	1	HEC TDK	
14	CE104	ALMINUM CAP 10V 1000uF M 10*16 TP5	1	NCC TAICON CAPXON	



DELTA P/N: **DAC-19M008 AF REV:01A** SHEET **3** of **24**
CONTENT **5. Material List** DATE: **08 / 01 / 06'**

<u>NO.</u>	<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>Q' TY</u>	<u>SUPPLIER</u>	<u>PART NAME</u>
15	CE105	ALMINUM CAP 10V 2.2mF M 13*20 TP5	1	NCC TAICON CAPXON	
16	CE102,CE103	ALMINUM CAP 25V 1KuF M 10*20 TP5	2	NCC TAICON CAPXON	
17	C200,CE101 CE109	ALMINUM CAP 25V 220uF M 8*11.5	3	NCC TAICON CAPXON	
18	CE108	ALMINUM CAP 25V 330uF M 8*16	1	NCC TAICON CAPXON	
19	CE107	ALMINUM CAP 50V 22uF M 5*11	1	NCC TAICON CAPXON	
20	CE106	ALMINUM CAP 400V 120uF M 18*31.5	1	NCC TAICON CAPXON	
21	CX100,CX101	CERAMIC CHIP CAP. X MP PC 275VAC 0.22uF M P15.0	2	ARCOTRONICS OKAYA	R46KI322050M UL:E97797 UL:E85238 RE224-L UL:E78644 UL:E47474



DELTA P/N: **DAC-19M008 AF REV:01A** SHEET **4** of **24**
CONTENT **5. Material List** DATE: **08 / 01 / 06'**

NO.	SYMBOL	DESCRIPTION	Q' TY	SUPPLIER	PART NAME
22	DB100	BRIDGE DIODE 4A 600V 4A 600V 4A 600V FL(KBL)	1	PANJIT VISHAY FAIRCHILD	FL406 UL:E111753 KBL06-E4/51 UL:E54214 KBL06 UL:E96005
23	D106,D107	ULTRA FAST DIODE 1A 1000V 1A 1000V 1A 1000V 1A 1000V DO-41	2	DIODE VISHAY PANJIT FAIRCHILD	UF1007 UF4007-E3/73 UF1010 T/B UF4007
24	D108	FRD DIODE 2A 200V 2A 600V DO-15-2P	1	PANJIT ON SEMI	ER202 T/B MUR260RLG
25	D102	SCHOTTKY DIODE 10A 100V 10A 100V 10A 100V 10A 100V TO-220F	1	ST VISHAY DIODES PANJIT	STPS10H100CFP MBRF10H100CT MBRF10100CT SR10100FCT
26	D101	SCHOTTKY DIODE 20A 200V 20A 150V 20A 200V ITO-220AB	1	PANJIT VISHAY	SB20200FCT SB20150FCT MBRF20H200CT
27	U100	POWER TRANSISTOR 100V 5A 100V 5A TO-220FP	1	ST FAIRCHILD	TIP122FP KSD1589YTU



DELTA P/N:

DAC-19M008 AF REV:01A

SHEET 5 of 24

CONTENT

5. Material List

DATE: 08 / 01 / 06

NO.	SYMBOL	DESCRIPTION	Q' TY	SUPPLIER	PART NAME
28	U102,U104	PHOTO TR 50mA 35V 50mA 35V 130-260 % DIP-4	2	SHARP LITE-ON	PC817X2 UL:E64380 LTV-817B UL:E113898
29	Q102	MOSFET 600V 10A 750mohm 600V 10A 750mohm 600V 10A 750mohm TO-220F	1	STMI TOSHIBA TOSHIBA	STP10NK60ZFP 2SK2843(Q,T) 2SK3569(Q)
30	IC201,IC202	N+P CH MOSFET 30V 7.5A 0.028ohm 30V 7.5A 0.028ohm 30V 7.0A 0.025ohm DIP-8	2	AOS AOS APEC	AOP604 AOP605 AP4511GD
31	U103,U106	IC VOL REF ADJ 2.5V 100mA 2.495V 100mA 2.495V 100mA 1% TO-92	2	STMI ON SEMI TEXAS	TL431ACZ-AP TL431ACLPRAG TL431ACLPRE3
32	LF100	LINE FILTER 17mH LFZ24H05	1	DELTA	P/N:2805617000 UL:E130155 UL:E197768 UL:E85640 UL:E59481 UL:E51047



DELTA P/N: DAC-19M008 AF REV:01A SHEET 6 of 24
CONTENT 5. Material List DATE: 08 / 01 / 06

NO.	SYMBOL	DESCRIPTION	Q' TY	SUPPLIER	PART NAME
33	L101,L102	INDUCTOR CD L=3.3uH ± 20 % 21A-4016	2	DELTA	P/N:2816441280 UL:E85640 UL:E84201 UL:E171082 UL:E206882
34	T100	X'FMR PQ2620 LK:480uH ± 5% 21A-5039A SRW2620PQ-T28V017	1	DELTA TDK	P/N:2874001000 UL:E85640 UL:E84201 UL:E197768 UL:E174837 UL:E171082 UL:E206440 UL:E166483 UL:E165111 UL:E17385 UL:E50292 UL:E41429 UL:E156256 UL:E180908 UL:E51047 P/N:2811301246 UL:E59481 UL:E41429 UL:E50292 UL:E165111 UL:E17385 UL:E196072 UL:E189722 UL:E218438 UL:E229341 UL:E206440 UL:E166483 UL:E156256 UL:E175982 UL:E81777 UL:E72979



DELTA P/N: **DAC-19M008 AF REV:01A** SHEET **7** of **24**
CONTENT **5. Material List** DATE: **08 / 01 / 06'**

NO.	SYMBOL	DESCRIPTION	Q' TY	SUPPLIER	PART NAME
35	T200	X'FMR UI22 LK:300mH +/-8% 00A-5095D	1	DELTA	P/N:2874002400 UL:E54705 UL:E85640 UL:E84201 UL:E197768 UL:E174837 UL:E171082 UL:E143312 UL:E51047
36	CN6	SOCKET AC INLENT SNAP 94V0 C14	1	TECX-UNIONS	TU-301-AP-AJB-7 00-AC2(D) UL:E220004
37	CNB	CONNECTOR HEADER PBT 94V0 1R 8PIN	1	JWT	A2541WR2-1DX8P UL:E144544
38	CN5	CONNECTOR HEADER PA46 94V0 2R 8PIN	1	ENTERY	2061-G16N-11B UL:E185177
39	CN7	CONNECTOR HEADER PBT 94V0 1R 2PIN	1	SINGATRON	2SJ-0510NC3 UL:E59481
40	CNA	CONNECTOR HEADER PBT 94V0 1R 4PIN	1	JWT	A2541WR2-1D*4P UL:E144544
41	CN200,CN201 CN202,CN203	CONNECTOR HEADER PA9T 94V0 1R 2PIN	4	ACES	87210-0236L UL:E205655
42	SCREW	SCREW T φ3*1.06*6 PAN C S17C ZN	4		FOR D101



DELTA P/N:

DAC-19M008 AF REV:01A

SHEET 8 of 24

CONTENT

5. Material List

DATE: 08 / 01 / 06'

NO	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
43	SCREW	SCREW T φ3*1.06*6 PAN C S20C ZN	4		FOR D101
44	POLYOLEFIN	TUBE HS POLYOLEFIN 4*0.25	0.06		FOR CN6
45	HS100	HSK STAMP AL1050 45.5*45.1*20 T1.5	1		
46	HS103	HSK STAMP AL1050F 70*27.6*20 T1.5	1		
47	HS102	HSK STAMP AL1050F 40*20 T1.5	1		
48	R137,R138, R139,R140	RES CH 1/4W 200mΩ F 1206	4	TA-I YAGEO	
49	R130	RES CH 1/4W 2.7Ω J 1206	1	TA-I YAGEO	
50	R121,R126, R129,R203	RES CH 1/4W 10KΩ F 1206	4	TA-I YAGEO	



DELTA P/N:

DAC-19M008 AF REV:01A

SHEET 9 of 24

CONTENT

5. Material List

DATE: 08 / 01 / 06'

NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
51	R150	RES CH 1/4W 47KΩ F 1206	1	TA-I YAGEO	
52	R145,R146, R147	RES CH 1/4W 330KΩ F 1206	3	TA-I YAGEO	
53	R4	RES CH 1/4W 100mΩ F 1206	1	TA-I YAGEO	
54	R235	RES CH 1/4W 402Ω F 1206	1	TA-I YAGEO	
55	R152	RES CH 1/4W 220KΩ F 1206	1	TA-I YAGEO	
56	D104,J101,J105 J106,J205,J210 J211,J212,J213 J212,R213	RES CH 1/4W 0Ω J 1206	11	TA-I YAGEO	
57	R132	RES CH 1/4W 15Ω J 1206	1	TA-I YAGEO	→
58	R105,R106, R107,R108,	RES CH 1/4W 20Ω J 1206	4	TA-I YAGEO	
59	R156	RES CH 1/4W 560Ω J 1206	1	TA-I YAGEO	



DELTA P/N: **DAC-19M008 AF REV:01A** SHEET 10 of 24
CONTENT 5. Material List DATE: 08 / 01 / 06

<u>NO.</u>	<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>Q'TY</u>	<u>SUPPLIER</u>	<u>PART NAME</u>
60	R231,R232, R233,R234	RES CH 1/10W 33.2Ω F 0603	4	TA-I YAGEO	
61	R216,R217	RES CH 1/10W 562Ω F 0603	2	TA-I YAGEO	
62	R143,R220 R221,R148 R223,R224	RES CH 1/8W 1KΩ F 0805	6	TA-I YAGEO	
63	R222,R225 R237	RES CH 1/10W 1KΩ F 0603	3	TA-I YAGEO	
64	R142,R159	RES CH 1/8W 2.7KΩ F 0805	2	TA-I YAGEO	
65	R218,R219	RES CH 1/8W 3.9KΩ F 0805	2	TA-I YAGEO	
66	R133,R134	RES CH 1/8W 4.7KΩ F 0805	2	TA-I YAGEO	
67	R149	RES CH 1/10W 4.7KΩ F 0603	1	TA-I YAGEO	
68	R114,R144	RES CH 1/8W 10KΩ F 0805	2	TA-I YAGEO	



DELTA P/N:

DAC-19M008 AF REV:01A

SHEET 11 of 24

CONTENT

5. Material List

DATE: 08 / 01 / 06'

NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
69	R113,R119 R120,R141 R155,R157 R204	RES CH 1/10W 10KΩ F 0603	7	TA-I YAGEO	
70	R205	RES CH 1/10W 22KΩ F 0603	1	TA-I YAGEO	
71	R226	RES CH 1/10W 100KΩ F 0603	2	TA-I YAGEO	
72	R225,R260	RES CH 1/10W 150KΩ F 0603	2	TA-I YAGEO	
73	R211	RES CH 1/10W 180KΩ F 0603	1	TA-I YAGEO	
74	R209	RES CH 1/10W 470KΩ F 0603	2	TA-I YAGEO	
75	R215,R227 R228,R229 R230,R238 R248,R249	RES CH 1/10W 1MΩ F 0603	8	TA-I YAGEO	
76	R101	RES CH 1/10W 2KΩ F 0603	1	TA-I YAGEO	
77	R244,R247	RES CH 1/10W 5.1KΩ F 0603	2	TA-I YAGEO	



DELTA P/N:

DAC-19M008 AF REV:01A

SHEET 12 of 24

CONTENT

5. Material List

DATE: 08 / 01 / 06'

NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
78	R135	RES CH 1/8W 13KΩ F 0805	1	TA-I YAGEO	
79	R104	RES CH 1/10W 200KΩ F 0603	1	TA-I YAGEO	
80	R236	RES CH 1/8W 402Ω F 0805	1	TA-I YAGEO	
81	R207,R208	RES CH 1/10W 8.87KΩ F 0603	1	TA-I YAGEO	
82	R117	RES CH 1/8W 4.99KΩ F 0805	1	TA-I YAGEO	
83	R206	RES CH 1/10W 82.5KΩ F 0603	1	TA-I YAGEO	→
84	R116	RES CH 1/8W 4.87KΩ F 0805	1	TA-I YAGEO	
85	R153	RES CH 1/10W 220KΩ F 0603	2	TA-I YAGEO	
86	R200	RES CH 1/8W 22.1MΩ F 0805	1	TA-I YAGEO	



DELTA P/N: **DAC-19M008 AF REV:01A** SHEET **13** of **24**
CONTENT **5. Material List** DATE: **08 / 01 / 06'**

<u>NO</u>	<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>Q'TY</u>	<u>SUPPLIER</u>	<u>PART NAME</u>
87	R243	RES CH 1/10W 1.5MΩ F 0603	1	TA-I YAGEO	
88	R158	RES CH 1/10W 1.8MΩ F 0603	1	TA-I YAGEO	
89	L108,R118 R245	RES CH 1/8W 0Ω J 0805	3	TA-I YAGEO	
90	L100,L103 L104,R239 R241	RES CH 1/10W 0Ω J 0603	5	TA-I YAGEO	
91	R154	RES CH 1/10W 100Ω J 0603	1	TA-I YAGEO	
92	R102	RES CH 1/10W 1KΩ J 0603	1	TA-I YAGEO	
93	R103,R151	RES CH 1/10W 100KΩ J 0603	2	TA-I YAGEO	
94	R122	RES CH 1/10W 1MΩ J 0603	1	TA-I YAGEO	
95	R115	RES CH 1/10W 3.3KΩ J 0603	1	TA-I YAGEO	



DELTA P/N: **DAC-19M008 AF REV:01A** SHEET 14 of 24
CONTENT 5. Material List DATE: 08 / 01 / 06'

NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
96	R210	RES CH 1/10W 3.3MΩ J 0603	1	TA-I YAGEO	
97	R112	RES CH 1/8W 390Ω J 0805	1	TA-I YAGEO	
98	R136	RES CH 1/8W 3.9KΩ J 0805	1	TA-I YAGEO	
99	R123	RES CH 1/10W 680KΩ J 0603	1	TA-I YAGEO	
100	R201,R202	RES CH 1/2W 3MΩ J 2010	2	TA-I YAGEO	
101	F200	FUSE T 3A 32V 3.15A 32V 1206	1	LITTELFUSE DAITO	0468003.NR UL:E10480 KMJ30 UL:E59783
102	F102	FUSE F 4A 24VDC 1206	1	LITTELFUSE TA-I	0466004.NR UL:E10480 CF12V2T4R0 UL:E241710
103	C203,C205 C207	CERAMIC CHIP CAP. 50V 220pF J C0G 0603	3	TDK PAN OVERSEAS PHYCOMP	



DELTA P/N: **DAC-19M008 AF REV:01A** SHEET 15 of 24
CONTENT 5. Material List DATE: 08 / 01 / 06'

<u>NO.</u>	<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>Q'TY</u>	<u>SUPPLIER</u>	<u>PART NAME</u>
104	C120	CERAMIC CHIP CAP. 50V 220pF J C0G 0805	1	TDK PAN OVERSEAS PHYCOMP	
105	C206	CERAMIC CHIP CAP 50V 3300pF K X7R 0603	1	TDK PAN OVERSEAS PHYCOMP	
106	C216,C217	CERAMIC CHIP CAP. 50V 4700pF K X7R 0603	1	TDK PAN OVERSEAS PHYCOMP	
107	C232	CERAMIC CHIP CAP. 50V 8200pF K X7R 0603	1	TDK PAN OVERSEAS PHYCOMP	
108	C214,C227 C228,C229 C230,C231 C233,C234	CERAMIC CHIP CAP 50V 0.01uF K X7R 0603	8	TDK PAN OVERSEAS PHYCOMP	
109	C209,C212	CERAMIC CHIP CAP 50V 0.047uF K X7R 0603	1	TDK PAN OVERSEAS PHYCOMP	
110	C211,C226 C235	CERAMIC CHIP CAP. 50V 0.1uF K X7R 0603	3	TDK PAN OVERSEAS PHYCOMP	
111	C114	CERAMIC CHIP CAP. 16V 0.22uF K X7R 0805	10	HEC TDK PAN OVERSEAS PHYCOMP	



DELTA P/N: **DAC-19M008 AF REV:01A** SHEET **16** of **24**
CONTENT 5. Material List DATE: 08 / 01 / 06

NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
112	C101	CERAMIC CHIP CAP. 16V 0.47uF K X7R 0603	1	HEC TDK PAN OVERSEAS PHYCOMP	
113	C100,C110 C111,C116 C118,C119	CERAMIC CHIP CAP. 16V 1uF K X7R 0603	6	HEC TDK PAN OVERSEAS PHYCOMP	
114	C125	CERAMIC CHIP CAP. 16V 2.2uF K X7R 0805	1	TDK PAN OVERSEAS PHYCOMP	
115	C210,C213	CERAMIC CHIP CAP 25V 2.2uF K X7R 0805	2	TDK PAN OVERSEAS PHYCOMP	
116	C214-1	CERAMIC CHIP CAP 25V 10uF K X5R 1206	1	HEC TDK PAN OVERSEAS PHYCOMP	
117	C102,C109 C117	CERAMIC CHIP CAP 25V 0.01uF K X7R 0603	3	PAN OVERSEAS JOHANSON PHYCOMP	
118	C123,C126	CERAMIC CHIP CAP 25V 0.1uF K X7R 0603	1	JOHANSON PHYCOMP PAN OVERSEAS	



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CONTENT 5. Material List DATE: 08 / 01 / 06'

<u>NO.</u>	<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>Q'TY</u>	<u>SUPPLIER</u>	<u>PART NAME</u>
119	C115	CERAMIC CHIP CAP. 25V 0.1uF K X7R 0805	1	PAN OVERSEAS JOHANSON PHYCOMP	
120	C222,C223 C224,C225	CERAMIC CHIP CAP. 25V 0.22uF K X7R 0603	4	PAN OVERSEAS HEC JOHANSON PHYCOMP	
121	C121,C215	CERAMIC CHIP CAP. 25V 1uF K X7R 0805	2	PAN OVERSEAS HEC JOHANSON PHYCOMP	
122	R214	CERAMIC CHIP CAP. 25V 4.7uF K X7R 1206	1	PAN OVERSEAS HEC JOHANSON PHYCOMP	
123	C112	CERAMIC CHIP CAP. 1KV 2200pF K X7R 1206	1	PAN OVERSEAS HEC JOHANSON PHYCOMP	



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5. Material List

DATE: 08 / 01 / 06'

NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
124	C113	CERAMIC CHIP CAP. 1KV 0.01uF K X7R 1206	1	PAN OVERSEAS HEC JOHANSON PHYCOMP	
125	C103	CERAMIC CHIP CAP. 250V 470pF K X7R 1206	1	PAN OVERSEAS HEC JOHANSON PHYCOMP	
126	C104	CERAMIC CHIP CAP. 250V 1000pF K X7R 1206	1	PAN OVERSEAS HEC JOHANSON PHYCOMP	
127	ZD102	ZENER DIODE 0.5W 4.94-5.2V 0.5W 4.94-5.2V MINIMELF	1	VISHAY ROHM	TLZ5V1B-GS08 RLZ TE-11 5.1B
128	ZD101	ZENER DIODE 0.5W 6.49-6.83V 0.5W 6.49-6.83V MINIMELF	1	VISHAY ROHM	TLZ6V8B-GS08 RLZ TE-11 6.8B



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CONTENT 5. Material List DATE: 08 / 01 / 06'

NO.	SYMBOL	DESCRIPTION	Q' TY	SUPPLIER	PART NAME
129	ZD200	ZENER DIODE 0.5W 11.44-12.03V 0.5W 11.44-12.03V SOD-323	1	VISHAY ROHM	GDZ5V6B-V-GS08 RLZ TE-11 12B
130	ZD100	ZENER DIODE 0.5W 18.63-19.59V 0.5W 18.63-19.59V MINIMELF	1	VISHAY ROHM	TLZ24B-GS08 RLZ TE-11 20B
131	D203,D204 D205,D206	SWITCHING DIODE 215mA 70V 215mA 70V 200mA 70V SOT-23	4	ON SEMI PHILIPS FAIRCHILD	BAV99LT1G BAV99_235 BAV99_NL
132	D200,D201 D214,D215	SWITCHING DIODE 150mA 75V 200mA 70V 215mA 85V 150mA 75V SOT-23	4	ON SEMI PHILIPS FAIRCHILD DIODES	BAV70LT1G BAV70_235 BAV70_NL BAV70-7-F
133	D100,D103 D105,D109, D110,D112, D2,D207 D208,D209 D210,D211 D212	SWITCHING DIODE 150mA 100V LL-34-2P	13	ROHM	RLS4148N TE-11
134	Q100	NPN TRANSISTOR 0.6A 40V 0.6A 40V 1.0A 40V 0.6A 40V SOT-23	1	ON SEMI PHILIPS FAIRCHILD DIODES	MMBT4401LT1G PMBT4401,215 MMBT4401_NL MMBT4401-7-F
135	Q207	N-CH MOSFET 50V 200mA 3.5ohm 50V 200mA 3.5 ohm SOT-23	1	DIODES FAIRCHILD	BSS138-7-F BSS138_NL



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5. Material List

DATE: 08 / 01 / 06'

NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
136	Q101,Q200 Q201,Q202 Q203,Q204 Q205,Q206	N-CH MOSFET 60V 300mA 2ohm 60V 340mA 3.9 ohm 60V 115mA 7.5ohm SOT-23	8	VISHAY PHILIPS ROHM	2N7002K-T1-E3 2N7002K,215 RK7002
137	U105	IC PWM PFC SO-8PIN	1	PHILIPS	TEA1532AT
138	IC200	IC CCFL PWM SOP-20P	1	O2 MICRO	OZ964GN
139	U101	IC COMPARATOR DUAL SOIC-8P	1	ON SEMI TEXAS FAIRCHILD ST	LM393DR2G LM393DRG4 LM393MX LM393DT
140	L106	BEAD CH 100MHZ 30ohm 4A 1206 31ohm 3A 1206	1	MAG LAYERS TAI-TECH	MLB-321611-0030P-N1 P/N:2921113812 HCB3216KF-310T30 P/N:29241001226
141	L107	BEAD CH 100MHZ 70ohm 4A 1206 70ohm 4A 1206	1	MAG LAYERS TAI-TECH	MLB-321611-0070P-N1 P/N:2921300412 HCB3216KF-700T40 P/N:2924100226
142	L105	INDUCTOR 15mA 4.7uH K 0805	1	MAG LAYERS TAI-TECH	MLI-201209-4R7K P/N:2923181312 FCI2012F-4R7K P/N:2923184526

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CONTENT		5. Material List		DATE: 08 / 01 / 06'	
NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
143	PWB	PWB CEM-1 T=1.6mm 155*135.0 PWB CEM-1 T=1.6mm 48.7*20.0	1	JOVE JIANGMEN GLORY FAITH TAIHE	P/N:2994747901 UL: E232940 UL: E230374 P/N:2994747200 UL: E232940 UL: E230374 UL:E221000
144	R301,R302 R303,R304	RES CH 1/10W 10KΩ F 0603	4	TA-I YAGEO	
145	R308,R309 R310,R311 R313,R314 R316,R317	RES CH 1/10W 20KΩ F 0603	8	TA-I YAGEO	
146	R312,R315	RES CH 1/10W 7.5KΩ F 0603	2	TA-I YAGEO	
147	L300,L301 L304	RES CH 1/10W 0Ω J 0603	1	TA-I YAGEO	
148	R300	RES CH 1/10W 1KΩ J 0603	1	TA-I YAGEO	
149	R307	RES CH 1/10W 10KΩ J 0603	1	TA-I YAGEO	



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CONTENT 5. Material List DATE: 08 / 01 / 06

NO.	SYMBOL	DESCRIPTION	Q' TY	SUPPLIER	PART NAME
150	R319	RES CH 1/10W 100KΩ J 0603	1	TA-I YAGEO	
151	C302,C308	CERAMIC CHIP CAP 50V 47pF J C0G 0603	2	TDK PAN OVERSEAS PHYCOMP	
152	C306,C307	CERAMIC CHIP CAP 16V 0.33uF K X7R 0603	2	TDK PAN OVERSEAS PHYCOMP HEC	
153	C315,C317	CERAMIC CHIP CAP 16V 0.068uF K X7R 0603	2	TDK PAN OVERSEAS PHYCOMP	
154	C303,C304 C305,C311 C316	CERAMIC CHIP CAP 25V 0.1uF K X7R 0603	5	TDK PAN OVERSEAS PHYCOMP	
155	C301	CERAMIC CHIP CAP 25V 1uF K X7R 0805	1	TDK PAN OVERSEAS PHYCOMP HEC	
156	C313	CERAMIC CHIP CAP 25V 2.2uF K X7R 1206	1	TDK PAN OVERSEAS PHYCOMP HEC	
157	ZD300	ZENER DIODE 0.5W 8.57-9.01V 0.5W 8.57-9.01V MINIMELF	1	VISHAY ROHM	TLZ24B-GS08 RLZ TE-11 24B

 DELTA P/N:		DAC-19M008 AF REV:01A		SHEET 23 of 24	
CONTENT		5. Material List		DATE: 08 / 01 / 06'	
NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
158	C300	TVS DIODE 0.4W 5.0-6.40V 0.4W 6.4-7.25V MINIMELF	1	DIODES ST	SMAJ5.0A-13-F SMAJ5.0A-TR
159	Q300	N-CH MOSFET 60V 0.300A 2.0Ω 60V 0.340A 3.9Ω 60V 0.115A 7.5Ω SOT-23	1	VISHAY PHILIPS ROHM	2N7002K-T1-E3 2N7002K RK7002
160	U300	IC AUDIO PWR AMP TSSOP-28P	1	NATIONAL ANPEL	LM4838MTE APA4838RI-TRL
161	RIVET	RIVET BRASS TIN PLATED 1.5*3.2*3	3		For CN6
162	RIVET	RIVET BRASS TIN PLATED 1.2*3*3	4		For CE106
163	J104,J203 J204,J217	JUMP WIRE COPPER 0.6*10*4	4		
164	J100,J206 J208	JUMP WIRE COPPER 0.6*12.5*4	3		

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	CONTENT	5. Material List	DATE: 08 / 01 / 06'		
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NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
165	J216	JUMP WIRE COPPER 0.6*15*4	1		
166	J209,J214 J215	JUMP WIRE COPPER 0.6*17.5*4	3		
167	J207	JUMP WIRE COPPER 1.0*12.5*4	1		
168	SOLDER BAR	SOLDER SAC305	6.25 GRM	ALPHA METALS	SAC305
169	SOLDER PASTE	SOLDER SM-688(SAC405)	3 GRM	Smtech	SM688 

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NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
1	R125	RES MOF 2W 100KΩ J SMALL FR	1	TY-OHM KAMAYA WALSIN	
2	R100	RES MOF 2W 300Ω J SMALL FR	1	TY-OHM KAMAYA WALSIN	
3	F100	RES FUSIBLE MF 1/2W 100ohm J SMALL	1	TY-OHM KAMAYA WALSIN	
4	R109	RES WIRE 5.1mohm J 0.8mm	1	TY-OHM	↗
6	F101	FUSE T S 3.15A 250V 3.15A 250V	1	CONQUER WICKMANN	MST3.15A 250V UL:E82636 392-3.15A UL:E67006

	DELTA P/N: CONTENT	DAC-19M008 BF REV:01A 5. Material List	SHEET 2 of 22 DATE: 08 / 02 / 06
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NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
7	RT100	RES NTC 5A R=2.5ohm	1	UPPERMOST THINKING	
8	VAR100	VARISTOR 420VAC 45J 2.5KA 420VAC 70J 2.5KA	1	UPPERMOST THINKING	V10K420 UL:E105157 TVR10681KSY UL:E173642
9	CY100,CY101	CERAMIC CHIP CAP. Y1/X1 CD 250VAC 330pF K B P10	2	TDK PAN OVERSEAS	CD UL:E37861 AH# UL:E146544
10	CY102	CERAMIC CHIP CAP. Y1/X1 CD 250VAC 2200pF M E P10	1	TDK PAN OVERSEAS	CD UL:E37861 AH# UL:E146544
11	CY220,CY221	CERAMIC CHIP CAP. 3KV 39pF C SL	2	HEC TDK PAN OVERSEA	
12	C218	CERAMIC CHIP CAP. 6KV 5pF D SL VI7.5	1	HEC TDK	
13	C219	CERAMIC CHIP CAP. 6KV 8pF D SL VI7.5	1	HEC TDK	
14	CE104	ALMINUM CAP 10V 1000uF M 10*16 TP5	1	NCC TAICON CAPXON	



DELTA P/N: **DAC-19M008 BF REV:01A** SHEET **3** of **22**
CONTENT 5. Material List DATE: 08 / 02 / 06'

<u>NO.</u>	<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>Q'TY</u>	<u>SUPPLIER</u>	<u>PART NAME</u>
15	CE105	ALMINUM CAP 10V 2.2mF M 13*20 TP5	1	NCC TAICON CAPXON	
16	CE102,CE103	ALMINUM CAP 25V 1KuF M 10*20 TP5	2	NCC TAICON CAPXON	
17	C200,CE101 CE109	ALMINUM CAP 25V 220uF M 8*11.5	3	NCC TAICON CAPXON	
18	CE108	ALMINUM CAP 25V 330uF M 8*16	1	NCC TAICON CAPXON	
19	CE107	ALMINUM CAP 50V 22uF M 5*11	1	NCC TAICON CAPXON	→
20	CE106	ALMINUM CAP 400V 120uF M 18*31.5	1	NCC TAICON CAPXON	
21	CX100,CX101	CERAMIC CHIP CAP. X MP PC 275VAC 0.22uF M P15.0	2	ARCOTRONICS OKAYA	R46KI322050M UL:E97797 UL:E85238 RE224-L UL:E78644 UL:E47474



DELTA P/N: **DAC-19M008 BF REV:01A** SHEET **4** of **22**
CONTENT **5. Material List** DATE: **08 / 02 / 06'**

<u>NO.</u>	<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>Q' TY</u>	<u>SUPPLIER</u>	<u>PART NAME</u>
22	DB100	BRIDGE DIODE 4A 600V 4A 600V 4A 600V FL(KBL)	1	PANJIT VISHAY FAIRCHILD	FL406 UL:E111753 KBL06-E4/51 UL:E54214 KBL06 UL:E96005
23	D106,D107	ULTRA FAST DIODE 1A 1000V 1A 1000V 1A 1000V 1A 1000V DO-41	2	DIODE VISHAY PANJIT FAIRCHILD	UF1007 UF4007-E3/73 UF1010 T/B UF4007
24	D108	FRD DIODE 2A 200V 2A 600V DO-15-2P	1	PANJIT ON SEMI	ER202 T/B MUR260RLG
25	D102	SCHOTTKY DIODE 10A 100V 10A 100V 10A 100V 10A 100V TO-220F	1	ST VISHAY DIODES PANJIT	STPS10H100CFP MBRF10H100CT MBRF10100CT SB10100FCT
26	D101	SCHOTTKY DIODE 20A 200V 20A 150V 20A 200V ITO-220AB	1	PANJIT VISHAY	SB20200FCT SB20150FCT MBRF20H200CT
27	U100	POWER TRANSISTOR 100V 5A 100V 5A TO-220FP	1	ST FAIRCHILD	TIP122FP KSD1589YTU



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CONTENT	5. Material List	DATE: 08 / 02 / 06'

NO.	SYMBOL	DESCRIPTION	Q' TY	SUPPLIER	PART NAME
28	U102,U104	PHOTO TR 50mA 35V 50mA 35V 130-260 % DIP-4	2	SHARP LITE-ON	PC817X2 UL:E64380 LTV-817B UL:E113898
29	Q102	MOSFET 600V 10A 750mohm 600V 10A 750mohm 600V 10A 750mohm TO-220F	1	STMI TOSHIBA TOSHIBA	STP10NK60ZFP 2SK2843(Q,T) 2SK3569(Q)
30	IC201,IC202	N+P CH MOSFET 30V 7.5A 0.028ohm 30V 7.5A 0.028ohm 30V 7.0A 0.025ohm DIP-8	2	AOS AOS APEC	AOP604 AOP605 AP4511GD
31	U103,U106	IC VOL REF ADJ 2.5V 100mA 2.495V 100mA 2.495V 100mA 1% TO-92	2	STMI ON SEMI TEXAS	TL431ACZ-AP TL431ACLPKAG TL431ACLPRE3
32	LF100	LINE FILTER 17mH LFZ24H05	1	DELTA	P/N:2805617000 UL:E130155 UL:E197768 UL:E85640 UL:E59481 UL:E51047



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5. Material List

DATE: 08 / 02 / 06

NO.	SYMBOL	DESCRIPTION	Q' TY	SUPPLIER	PART NAME
33	L101,L102	INDUCTOR CD L=3.3uH ± 20 % 21A-4016	2	DELTA	P/N:2816441280 UL:E85640 UL:E84201 UL:E171082 UL:E206882
34	T100	X'FMR PQ2620 LK:480uH ± 5% 21A-5039A SRW2620PQ-T28V017	1	DELTA TDK	P/N:2874001000 UL:E85640 UL:E84201 UL:E197768 UL:E174837 UL:E171082 UL:E206440 UL:E166483 UL:E165111 UL:E17385 UL:E50292 UL:E41429 UL:E156256 UL:E180908 UL:E51047 P/N:2811301246 UL:E59481 UL:E41429 UL:E50292 UL:E165111 UL:E17385 UL:E196072 UL:E189722 UL:E218438 UL:E229341 UL:E206440 UL:E166483 UL:E156256 UL:E175982 UL:E81777 UL:E72979

	DELTA P/N: CONTENT	DAC-19M008 BF REV:01A 5. Material List	SHEET 7 of 22 DATE: 08 / 02 / 06	
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NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER
35	T200	X'FMR UI22 LK:300mH +/-8% 00A-5095D	1	DELTA
36	CN6	SOCKET AC INLENT SNAP 94V0 C14	1	TECX-UNIONS
37	CN5	CONNECTOR HEADER PA46 94V0 2R 8PIN	1	ENTERY
38	CN200,CN201 CN202,CN203	CONNECTOR HEADER PA9T 94V0 1R 2PIN	4	ACES
39	SCREW	SCREW T φ3*1.06*6 PAN C S17C ZN	4	
40	SCREW	SCREW T φ3*1.06*6 PAN C S20C ZN	4	
41	POLYOLEFIN	TUBE HS POLYOLEFIN 4*0.25	0.06	



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CONTENT

5. Material List

DATE: 08 / 02 / 06'

NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
42	HS100	HSK STAMP AL1050 45.5*45.1*20 T1.5	1		
43	HS103	HSK STAMP AL1050F 70*27.6*20 T1.5	1		
44	HS102	HSK STAMP AL1050F 40*20 T1.5	1		
45	R137,R138, R139,R140	RES CH 1/4W 200mΩ F 1206	4	TA-I YAGEO	
46	R130	RES CH 1/4W 2.7Ω J 1206	1	TA-I YAGEO	
47	R121,R126, R129,R203	RES CH 1/4W 10KΩ F 1206	4	TA-I YAGEO	
48	R150	RES CH 1/4W 47KΩ F 1206	1	TA-I YAGEO	
49	R145,R146, R147	RES CH 1/4W 330KΩ F 1206	3	TA-I YAGEO	



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CONTENT

5. Material List

DATE: 08 / 02 / 06'

NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
50	R4	RES CH 1/4W 100mΩ F 1206	1	TA-I YAGEO	
51	R235	RES CH 1/4W 402Ω F 1206	1	TA-I YAGEO	
52	R152	RES CH 1/4W 220KΩ F 1206	1	TA-I YAGEO	
53	D104,J101,J105 J106,J205,J210 J211,J212,J213 J212,R213	RES CH 1/4W 0Ω J 1206	11	TA-I YAGEO	
54	R132	RES CH 1/4W 15Ω J 1206	1	TA-I YAGEO	
55	R105,R106, R107,R108,	RES CH 1/4W 20Ω J 1206	4	TA-I YAGEO	
56	R156	RES CH 1/4W 560Ω J 1206	1	TA-I YAGEO	
57	R231,R232, R233,R234	RES CH 1/10W 33.2Ω F 0603	4	TA-I YAGEO	
58	R216,R217	RES CH 1/10W 562Ω F 0603	2	TA-I YAGEO	



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CONTENT 5. Material List DATE: 08 / 02 / 06*

NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
59	R143,R220 R221,R148 R223,R224	RES CH 1/8W 1KΩ F 0805	6	TA-I YAGEO	
60	R222,R225 R237	RES CH 1/10W 1KΩ F 0603	3	TA-I YAGEO	
61	R142,R159	RES CH 1/8W 2.7KΩ F 0805	2	TA-I YAGEO	
62	R218,R219	RES CH 1/8W 3.9KΩ F 0805	2	TA-I YAGEO	
63	R133,R134	RES CH 1/8W 4.7KΩ F 0805	2	TA-I YAGEO	
64	R149	RES CH 1/10W 4.7KΩ F 0603	1	TA-I YAGEO	
65	R114,R144	RES CH 1/8W 10KΩ F 0805	2	TA-I YAGEO	
66	R113,R119 R120,R141 R155,R157 R204	RES CH 1/10W 10KΩ F 0603	7	TA-I YAGEO	



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CONTENT **5. Material List** DATE: **08 / 02 / 06'**

NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
67	R205	RES CH 1/10W 22KΩ F 0603	1	TA-I YAGEO	
68	R226	RES CH 1/10W 100KΩ F 0603	2	TA-I YAGEO	
69	R211	RES CH 1/10W 180KΩ F 0603	1	TA-I YAGEO	
70	R209	RES CH 1/10W 470KΩ F 0603	2	TA-I YAGEO	
71	R215,R227 R228,R229 R230,R238 R248,R249	RES CH 1/10W 1MΩ F 0603	8	TA-I YAGEO	
72	R101	RES CH 1/10W 2KΩ F 0603	1	TA-I YAGEO	
73	R244,R247	RES CH 1/10W 5.1KΩ F 0603	2	TA-I YAGEO	



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5. Material List

DATE: 08 / 02 / 06'

NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
74	R135	RES CH 1/8W 13KΩ F 0805	1	TA-I YAGEO	
75	R236	RES CH 1/8W 402Ω F 0805	1	TA-I YAGEO	
76	R207,R208	RES CH 1/10W 8.87KΩ F 0603	1	TA-I YAGEO	
77	R117	RES CH 1/8W 4.99KΩ F 0805	1	TA-I YAGEO	
78	R206	RES CH 1/10W 82.5KΩ F 0603	1	TA-I YAGEO	
79	R116	RES CH 1/8W 4.87KΩ F 0805	1	TA-I YAGEO	
80	R153	RES CH 1/10W 220KΩ F 0603	2	TA-I YAGEO	
81	R200	RES CH 1/8W 22.1MΩ F 0805	1	TA-I YAGEO	



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CONTENT

5. Material List

DATE: 08 / 02 / 06'

NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
82	R243	RES CH 1/10W 1.5MΩ F 0603	1	TA-I YAGEO	
83	R158	RES CH 1/10W 1.8MΩ F 0603	1	TA-I YAGEO	
84	R118,R245	RES CH 1/8W 0Ω J 0805	2	TA-I YAGEO	
85	R104,R239 R241	RES CH 1/10W 0Ω J 0603	3	TA-I YAGEO	
86	R154	RES CH 1/10W 100Ω J 0603	1	TA-I YAGEO	
87	R102	RES CH 1/10W 1KΩ J 0603	1	TA-I YAGEO	→
88	R151	RES CH 1/10W 100KΩ J 0603	1	TA-I YAGEO	
89	R122	RES CH 1/10W 1MΩ J 0603	1	TA-I YAGEO	
90	R115	RES CH 1/10W 3.3KΩ J 0603	1	TA-I YAGEO	



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CONTENT 5. Material List DATE: 08 / 02 / 06'

NO.	SYMBOL	DESCRIPTION	Q' TY	SUPPLIER	PART NAME
91	R210	RES CH 1/10W 3.3MΩ J 0603	1	TA-I YAGEO	
92	R112	RES CH 1/8W 390Ω J 0805	1	TA-I YAGEO	
93	R136	RES CH 1/8W 3.9KΩ J 0805	1	TA-I YAGEO	
94	R123	RES CH 1/10W 680KΩ J 0603	1	TA-I YAGEO	
95	R201,R202	RES CH 1/2W 3MΩ J 2010	2	TA-I YAGEO	
96	F200	FUSE T 3A 32V 3.15A 32V 1206	1	LITTELFUSE DAITO	0468003.NR UL:E10480 KMJ30 UL:E59783
97	F102	FUSE F 4A 24VDC 1206	1	LITTELFUSE TA-I	0466004.NR UL:E10480 CF12V2T4R0 UL:E241710
98	C203,C205 C207	CERAMIC CHIP CAP. 50V 220pF J C0G 0603	3	TDK PAN OVERSEAS PHYCOMP	



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CONTENT

5. Material List

DATE: 08 / 02 / 06

NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
99	C120	CERAMIC CHIP CAP. 50V 220pF J C0G 0805	1	TDK PAN OVERSEAS PHYCOMP	
100	C206	CERAMIC CHIP CAP 50V 3300pF K X7R 0603	1	TDK PAN OVERSEAS PHYCOMP	
101	C216,C217	CERAMIC CHIP CAP. 50V 4700pF K X7R 0603	1	TDK PAN OVERSEAS PHYCOMP	
102	C232	CERAMIC CHIP CAP. 50V 8200pF K X7R 0603	1	TDK PAN OVERSEAS PHYCOMP	
103	C214,C227 C228,C229 C230,C231 C233,C234	CERAMIC CHIP CAP 50V 0.01uF K X7R 0603	8	TDK PAN OVERSEAS PHYCOMP	
104	C209,C212	CERAMIC CHIP CAP 50V 0.047uF K X7R 0603	1	TDK PAN OVERSEAS PHYCOMP	
105	C211,C226 C235	CERAMIC CHIP CAP. 50V 0.1uF K X7R 0603	3	TDK PAN OVERSEAS PHYCOMP	
106	C114	CERAMIC CHIP CAP. 16V 0.22uF K X7R 0805	10	HEC TDK PAN OVERSEAS PHYCOMP	

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CONTENT		5. Material List		DATE: 08 / 02 / 06'	
NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
107	C101	CERAMIC CHIP CAP. 16V 0.47uF K X7R 0603	1	HEC TDK PAN OVERSEAS PHYCOMP	
108	C100,C110 C111,C116 C118,C119	CERAMIC CHIP CAP. 16V 1uF K X7R 0603	6	HEC TDK PAN OVERSEAS PHYCOMP	
109	C125	CERAMIC CHIP CAP. 16V 2.2uF K X7R 0805	1	TDK PAN OVERSEAS PHYCOMP	
110	C210,C213	CERAMIC CHIP CAP 25V 2.2uF K X7R 0805	2	TDK PAN OVERSEAS PHYCOMP	
111	C214-1	CERAMIC CHIP CAP 25V 10uF K X5R 1206	1	HEC TDK PAN OVERSEAS PHYCOMP ↴	
112	C102,C109 C117	CERAMIC CHIP CAP 25V 0.01uF K X7R 0603	3	PAN OVERSEAS JOHANSON PHYCOMP	
113	C123,C126	CERAMIC CHIP CAP 25V 0.1uF K X7R 0603	1	JOHANSON PHYCOMP PAN OVERSEAS	



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CONTENT

5. Material List

DATE: 08 / 02 / 06

NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
114	C115	CERAMIC CHIP CAP. 25V 0.1uF K X7R 0805	1	PAN OVERSEAS JOHANSON PHYCOMP	
115	C222,C223 C224,C225	CERAMIC CHIP CAP. 25V 0.22uF K X7R 0603	4	PAN OVERSEAS HEC JOHANSON PHYCOMP	
116	C121,C215	CERAMIC CHIP CAP. 25V 1uF K X7R 0805	2	PAN OVERSEAS HEC JOHANSON PHYCOMP	
117	R214	CERAMIC CHIP CAP. 25V 4.7uF K X7R 1206	1	PAN OVERSEAS HEC JOHANSON PHYCOMP	
118	C112	CERAMIC CHIP CAP. 1KV 2200pF K X7R 1206	1	PAN OVERSEAS HEC JOHANSON PHYCOMP	

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CONTENT		5. Material List		DATE: 08 / 02 / 06	
NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
119	C113	CERAMIC CHIP CAP. 1KV 0.01uF K X7R 1206	1	PAN OVERSEAS HEC JOHANSON PHYCOMP	
120	C103	CERAMIC CHIP CAP. 250V 470pF K X7R 1206	1	PAN OVERSEAS HEC JOHANSON PHYCOMP	
121	C104	CERAMIC CHIP CAP. 250V 1000pF K X7R 1206	1	PAN OVERSEAS HEC JOHANSON PHYCOMP	→
122	ZD102	ZENER DIODE 0.5W 4.94-5.2V 0.5W 4.94-5.2V MINIMELF	1	VISHAY ROHM	TLZ5V1B-GS08 RLZ TE-11 5.1B
123	ZD101	ZENER DIODE 0.5W 6.49-6.83V 0.5W 6.49-6.83V MINIMELF	1	VISHAY ROHM	TLZ6V8B-GS08 RLZ TE-11 6.8B



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CONTENT **5. Material List** DATE: **08 / 02 / 06'**

NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
124	ZD200	ZENER DIODE 0.5W 11.44-12.03V 0.5W 11.44-12.03V SOD-323	1	VISHAY ROHM	GDZ5V6B-V-GS08 RLZ TE-11 12B
125	ZD100	ZENER DIODE 0.5W 18.63-19.59V 0.5W 18.63-19.59V MINIMELF	1	VISHAY ROHM	TLZ24B-GS08 RLZ TE-11 20B
126	D203,D204 D205,D206	SWITCHING DIODE 215mA 70V 215mA 70V 200mA 70V SOT-23	4	ON SEMI PHILIPS FAIRCHILD	BAV99LT1G BAV99_235 BAV99_NL
127	D200,D201 D214,D215	SWITCHING DIODE 150mA 75V 200mA 70V 215mA 85V 150mA 75V SOT-23	4	ON SEMI PHILIPS FAIRCHILD DIODES	BAV70LT1G BAV70_235 BAV70_NL BAV70-7-F
128	D103,D105 D109,D110 D112,D2 D207,D208 D209,D210 D211,D212	SWITCHING DIODE 150mA 100V LL-34-2P	12	ROHM	RLS4148N TE-11
129	Q100	NPN TRANSISTOR 0.6A 40V 0.6A 40V 1.0A 40V 0.6A 40V SOT-23	1	ON SEMI PHILIPS FAIRCHILD DIODES	MMBT4401LT1G PMBT4401_215 MMBT4401_NL MMBT4401-7-F
130	Q207	N-CH MOSFET 50V 200mA 3.5ohm 50V 200mA 3.5 ohm SOT-23-3P	1	DIODES FAIRCHILD	BSS138-7-F BSS138_NL

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CONTENT		5. Material List		DATE: 08 / 02 / 06'	
NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
131	Q101,Q200 Q201,Q202 Q203,Q204 Q205,Q206	N-CH MOSFET 60V 300mA 2ohm 60V 340mA 3.9 ohm 60V 115mA 7.5ohm SOT-23	8	VISHAY PHILIPS ROHM	2N7002K-T1-E3 2N7002K,215 RK7002
132	U105	IC PWM PFC SO-8PIN	1	PHILIPS	TEA1532AT
133	IC200	IC CCFL PWM SOP-20P	1	O2 MICRO	OZ964GN
134	U101	IC COMPARATOR DUAL SOIC-8P	1	ON SEMI TEXAS FAIRCHILD ST	LM393DR2G LM393DRG4 LM393MX LM393DT
135	L106	BEAD CH 100MHZ 30ohm 4A 1206 31ohm 3A 1206	1	MAG LAYERS TAI-TECH	MLB-321611-0030P-N1 P/N:2921113812 HCB3216KF-310T30 P/N:29241001226
136	L107	BEAD CH 100MHZ 70ohm 4A 1206 70ohm 4A 1206	1	MAG LAYERS TAI-TECH	MLB-321611-0070P-N1 P/N:2921300412 HCB3216KF-700T40 P/N:2924100226
137	L105	INDUCTOR 15mA 4.7uH K 0805	1	MAG LAYERS TAI-TECH	MLI-201209-4R7K P/N:2923181312 FCI2012F-4R7K P/N:2923184526



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CONTENT **5. Material List** DATE: **08 / 02 / 06'**

NO.	SYMBOL	DESCRIPTION	Q' TY	SUPPLIER	PART NAME
138	PWB	PWB CEM-1 T=1.6mm 155*135.0	1	JOVE JIANGMEN GLORY FAITH TAIHE	P/N:2994747901 UL: E232940 UL: E230374 UL:E221000
		PWB CEM-1 T=1.6mm 48.7*20.0		JOVE JIANGMEN GLORY FAITH TAIHE	P/N:2994747200 UL: E232940 UL: E230374 UL:E221000
139	RIVET	RIVET BRASS TIN PLATED 1.5*3.2*3	3		For CN6
140	RIVET	RIVET BRASS TIN PLATED 1.2*3*3	4		For CE106
141	J104,J203 J204,J217	JUMP WIRE COPPER 0.6*10*4	4		
142	J100,J206 J208	JUMP WIRE COPPER 0.6*12.5*4	3		
143	J216	JUMP WIRE COPPER 0.6*15*4	1		

 DELTA		DELTA P/N: CONTENT	DAC-19M008 BF REV:01A 5. Material List	SHEET 22 of 22 DATE: 08 / 02 / 06'	
NO.	SYMBOL	DESCRIPTION	Q'TY	SUPPLIER	PART NAME
144	J209,J214 J215	JUMP WIRE COPPER 0.6*17.5*4	3		
145	J207	JUMP WIRE COPPER 1.0*12.5*4	1		
146	SOLDER BAR	SOLDER SAC305	6.25 GRM	ALPHA METALS	SAC305
147	SOLDER PASTE	SOLDER SM-688(SAC405)	3 GRM	Smtech	SM688

